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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/942,252

DATE: 09/18/2001

TIME: 11:25:53

Input Set : A:\GENO 2002 Sequence Listing.txt Output Set: N:\CRF3\09182001\I942252.raw

Does Not Comply

Corrected Diskette Needec

3 <110> APPLICANT: Messier, Walter Sikela, James M 6 <120> TITLE OF INVENTION: Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions 10 <130> FILE REFERENCE: GENO 200.2/CIP 12 (140) CURRENT APPLICATION NUMBER: US/09/942,252 13 <141> CURRENT FILING DATE: 2001-08-28 15 <150> PRIOR APPLICATION NUMBER: 09/591,435

- 16 <151> PRIOR FILING DATE: 2000-06-09
- 18 <150> PRIOR APPLICATION NUMBER: 09/240,915
- 19 <151> PRIOR FILING DATE: 1999-01-29
- 21 <150> PRIOR APPLICATION NUMBER: 60/073,263
- 22 <151> PRIOR FILING DATE: 1998-01-30
- 24 <150> PRIOR APPLICATION NUMBER: 60/098,987
- 25 <151> PRIOR FILING DATE: 1998-09-02
- 27 <160> NUMBER OF SEQ ID NOS: 30
- 29 <170> SOFTWARE: PatentIn Ver. 2.0

ERRORED SEQUENCES

- 1466 <210> SEQ ID NO: 16
- 1467 <211> LENGTH: 1207
- 1468 <212> TYPE: PRT
- 1469 <213> ORGANISM: Homo sapiens
- 1471 <400> SEQUENCE: 16
- 1472 Met Gln Phe Leu Glu Glu Val Gln Pro Tyr Arg Ala Leu Lys His Ser 5
 - 1475 Asn Leu Leu Gln Cys Leu Ala Gln Cys Ala Glu Val Thr Pro Tyr Leu
 - 30 25 1476 2.0
 - 1478 Leu Val Met Glu Phe Cys Pro Leu Gly Asp Leu Lys Gly Tyr Leu Arg
 - 1479 35 40
 - 1481 Ser Cys Arg Val Ala Glu Ser Met Ala Pro Asp Pro Arg Thr Leu Gln
 - 55 50
 - 1484 Arg Met Ala Cys Glu Val Ala Cys Gly Val Leu His Leu His Arg Asn 75 70
 - 1487 Asn Phe Val His Ser Asp Leu Ala Leu Arg Asn Cys Leu Leu Thr Ala
 - 90 1488 85
 - 1490 Asp Leu Thr Val Lys Ile Gly Asp Tyr Gly Leu Ala His Cys Lys Tyr 100 105 110
 - 1493 Arg Glu Asp Tyr Phe Val Thr Ala Asp Gln Leu Trp Val Pro Leu Arg
 - 125 120
 - 1496 Trp Ile Ala Pro Glu Leu Val Asp Glu Val His Ser Asn Leu Leu Val
 - 135 140 130
 - 1499 Val Asp Gln Thr Lys Ser Gly Asn Val Trp Ser Leu Gly Val Thr Ile
 - 155 1500 145 150

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1502 1503	Trp	Glu	Leu		Glu 165	Leu	Gly	Thr	Gln	Pro 170	Tyr	Pro	Gln	His	Ser 175	Asp
1505 1506				Leu 180	Ala				185					190		
1508 1509			195					200					205			
1511 1512		210					215					220				
1514 1515	225					230					235					240
1517 1518					245					250					255	
1520 1521				260					265					270		
1523 1524			275					280					285			
1526 1527		290					295					300				
1529 1530	305					310					315					320
1532 1533					325					330					335	
1535 1536 1538				340					345					350		
1538 1539 1541			355					360					365			
1541 1542 1544		370					375					380				
1545 1547	385					390					395					400
1548 1550					405					410					415	
1551 1553				420					425					430		
1554 1556			435					440					445			
1557		450					455					460				Pro
1560	465					470					475					480 Glu
1563					485					490					495	Arg
1566 1568				500					505					510		
	Ser	Asn	vaı	Ser	Ala	11011				-						
1569 1571			515					520				Gly	525 Cys			Pro
1571 1572	Trp	Asp	515 Pro	Val	Ser	Ala	Gly 535	520 Cys	His	Ala	Glu	Gly 540	525 Cys	Pro	Ser	

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1 5 7 5	E 4 E					550					555					560
1575	Leu	T	C1	T 011	Cln		λ1 -	Sar	λla	Gln		Pro	Glv	Cvs	Cvs	
	Leu	Leu	GIY	Leu	565	нта	ніа	261	АТа	570	Giu	110	017	0,0	575	110
1578	Gly	Tou	Dro	чіс		Cuc	Sar	Δla	Gln		T.e.u	Δla	Pro	Ala		Cvs
	GIA	Leu	110	580	ьеu	Cys	261	AIG	585	Cly	БСС	ni Lu		590		0,70
1581	Leu	17-1	mh r		cor	Фrn	Thr	Glu		Δla	Ser	Ser	G1 v		Asp	His
	Leu	vai		PIO	3e1	ттр	1111	600	TIIL	Ala	361	JCI	605	017	,,,p	
1584	Pro	a1	595	C1	Dwa	Tura	T OU		Пhr	Clu	λla	clu		Thr	Thr	Glv
			Ald	GIU	PIO	пуз	615	ALA	TILL	GIU	AIG	620	Oly	T 111	1	
1587	Pro	610	T	D	T 0	Dro		W- 1	Dro	cor	Dro		Gln	Glu	Clv	Δla
		Arg	Leu	PIO	Leu	630	261	vaı	FIO	361	635	561	GIII	Olu	OL1	640
1590	625 Pro	T	nwa	Com	Clu		λla	Sar	λla	Pro		Δla	Pro	Asn	Δla	
		Leu	Pro	ser		Gru	ніа	361	нта	650	кар	AIG	110	nsp	655	Dea
1593	Pro		a	D	645	Dwo	A 1 a	mb ×	C1,,		Clu	Val	Sar	λlο		T.vc
		Asp	ser		THE	PIO	ALA	Till	665	GLY	GIU	Val	261	670	110	Lys
1596	_		_	660	T	3	c1	C		Cor	602	Dro	Clu		Glu	Δla
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1599		_	675	a 1	•	~1	3	680			A 1 -	mh r		C1 v	Tla	Dhe
	Pro		Ser	GIU	Asp	GIU		THE	Ala	GIU	Ald	700	261	GIY	110	FIIC
1602		690		a	G	3	695	T 0.1	cln	717	λκα		Dro	Nan	Val	Val
	Thr	Asp	Thr	Ser	Ser		GIY	Leu	GIII	Ald	715	Arg	PIO	ASP	val	720
1605	705				0	710	C1 -	T	Cln	17-1		mh r	Dro	λαη	Car	
	Pro	Ala	Phe	Arg		Leu	GIII	гус	GIII		GIY	TIIT	FIO	ASP	735	псα
1608	i	_	_	_	725	ъ.,	G	C	×1 -	730	3 0 0	C1	C111	Пттъ		Wa l
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1611		_	_	740		m1	C1	D	745	C1	C1	cln	Dro		λl =	T.211
	Phe	Ser		Ser	Ala	Thr	GLY		ser	GIY	GLY	GIII	765	Arg	ALA	цец
1614		_	755			m la aa	C1	760	M	C1	cor	Dro		Dha	V=1	T.e.u
	Asp		GTĀ	Tyr	Asp	THE		ASII	TAT	GIU	261	780	GIU	FILE	Val	Leu
1617		770		01 .	61	c1	775	C1	Dwo	Cln	7 l a		7 1 a	Clu	Τωιι	λla
	Lys	GLu	Ala	GIN	GIU		Cys	GIU	PIO	GIII	795	FILE	ніа	GIU	пец	800
	785 Ser	- 1	01	C1	C1	790	C1 vr	Dro	C1	mhr		LAU	Sar	Thr	Ser	
		GIU	GLY	Giu		PIO	GIY	PIO	GIU	810	Arg	ьeu	261	1111	815	11CG
1623	s Ser	a 1	.	3	805	T	Nan	Dro	Птт		N c n	Car	λla	Фιν		Ser
		GIY	Leu		GIU	гу	ASII	PIO	825	AIG	изр	561	ALG	830	1110	001
1626) B Asp	<i>T</i>	C1	820	C1	7.1 -	C1.,	7] ¬		Car	G1 v	Pro	Glu		Lvs	Cvs
		ьeu		Ald	GIU	Ala	Gru	840	1111	361	GLY	110	845	נים	2,5	CIB
1629	, L Gly	G1	835	3	7 l n	Dwo	C1,,		Clu	LOU	Clv	Τ.Δ.11			Thr	Glv
	_	_		Arg	Ald	PIO	855	PIO	Gru	пеп	GLY	860	110	OCI	1111	O L I
1632	4	850		G1	C1 -	17-1		Τ ο ι ι	7 ~~	Dro	C1 11		Sar	Glv	Glu	Ala
			Ser	GIU	GIII	870	Cys	ьeu	Arg	FIO	875		001	OLY	·OIu	880
1635	5 865 7 Gln	a 1		G1	D		C1.,	Val	Lou	Dro			Len	Gln	T.e.u	
		GIĀ	ser	GIY	885		Gra	val	цец	890		пец	шеи	GIII	895	
1638	o O Gly	C	C	D == 0			cor	Thr	Cvc			G1 v	T.e.u	Val		
		ser	ser			110	361	TIIT	905		061	CLY	Lea	910		
1641	ı 3 Pro	D	~1	900		C1++	Dro	- ו מ			Δνα	Pro	Glv			Pro
		Pro	915		GIII	GIY	FIO	920		* CL T	A1 9		925		501	
1644	: : c ~ ~	. C			Dho	Dhe	T.011			Pro	Val	Pro			Ser	Glu
				GTII	FILE	FILE	935		*117		, 41	940				
1647	,	930					ر د ر					2 4 0				

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Input Set : A:\GENO 2002 Sequence Listing.txt
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1649 Gly Asn Ser Ser Glu Phe Gln Gly Pro Pro Gly Leu Leu Ser Gly Pro 950 1652 Ala Pro Gln Lys Arg Met Gly Gly Pro Gly Thr Pro Arg Ala Pro Leu 970 965 1655 Arg Leu Ala Leu Pro Gly Leu Pro Ala Ala Leu Glu Gly Arg Pro Glu 980 985 1658 Glu Glu Glu Glu Asp Ser Glu Asp Ser Asp Glu Ser Asp Glu Glu Leu 1000 995 1661 Arg Cys Tyr Ser Val Glu Glu Pro Ser Glu Asp Ser Glu Glu Glu Ala 1020 1015 1010 1664 Pro Ala Val Pro Val Val Val Ala Glu Ser Gln Ser Ala Arg Asn Leu 1030 1035 E--> 1665(025)/025 1667 Arg Ser Leu Leu Lys Met Pro Ser Leu Leu Ser Glu Thr Phe Cys Glu 1055 1045 1050 1670 Asp Leu Glu Arg Lys Lys Lys Ala Val Ser Phe Phe Asp Asp Val Thr 1070 1065 1671 1060 1673 Val Tyr Leu Phe Asp Gln Glu Ser Pro Thr Arg Glu Leu Gly Glu Pro 1674 1075 1080 1676 Phe Pro Gly Ala Lys Glu Ser Pro Pro Thr Phe Leu Arg Gly Ser Pro 1100 1095 1679 Gly Ser Pro Ser Ala Pro Asn Arg Pro Gln Gln Ala Asp Gly Ser Pro E--> 1680(105)//05 1110 1115 1682 Asn Gly Ser Thr Ala Glu Glu Gly Gly Phe Ala Trp Asp Asp 1130 1135 1125 1685 Phe Pro Leu Met Thr Ala Lys Ala Ala Phe Ala Met Ala Leu Asp Pro 1150 1140 1145 1688 Ala Ala Pro Ala Pro Ala Ala Pro Thr Pro Thr Pro Ala Pro Phe Ser 1689 1155 1160 1691 Arg Phe Thr Val Ser Pro Ala Pro Thr Ser Arg Phe Ser Ile Thr His 1692 1170 1175 1180 1694 Val Ser Asp Ser Asp Ala Glu Ser Lys Arg Gly Pro Glu Ala Gly Ala E--> 1695 (185*)//8*5 1190 1195 1697 Gly Gly Glu Ser Lys Glu Ala 1205 1698

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VERIFICATION SUMMARY

DATE: 09/18/2001

PATENT APPLICATION: US/09/942,252

TIME: 11:25:54

Input Set : A:\GENO 2002 Sequence Listing.txt Output Set: N:\CRF3\09182001\I942252.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1665 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:16

M:332 Repeated in SeqNo=16